the Council of Board of School Education (COBSE) has been set up to develop a mechanism of equivalence of State Madarsa Board certificates for equating these with classes X and XII.

Standard Solar Power Equipments

1012. SHRI BALAVANT *ALIAS* BALAPTE:
SHRI SHREEGOPAL VYAS:
SHRIMATI MAYA SINGH:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether availability of standard solar power equipments for house-hold applications is matching the purchasing power of common man;

(b) the estimated demand by the end of the Ninth and Eleventh Five Year Plans, State-wise;

(c) whether Government is considering to increase the subsidy to consumers;

(d) Government's encouragement for users and manufactures; and

(e) the status on standardization in terms of capacity of solar heaters, and other equipments?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) The Ministry of New and Renewable Energy is implementing several schemes to popularize solar energy equipments, including use for house hold applications. In view of the high initial cost of the solar energy systems and devices, Central Financial Assistance is provided in the form of capital or interest subsidy. Apart from this, several fiscal and promotional incentives are also available.

(b) 6,50,000 sq. of collector areas for solar water heating system; 5,25,000 solar cookers; 4,79,869 solar lanterns; 2,23,595 solar home systems' 46,186 solar state lights; 4500 solar pumps; and 3783 k Wp capacity power plants were installed up to the end of the Ninth Plan. For the 11th Plan period, a target of 5 million sq. m. of collector area for solar heating system; 20,000 soalre cookers; and 50 MW solar photovoltaic systems has been set by the Ministry. No State-wise allocations are made.

(c) No such proposal is under consideration.

(d) Apart from financial and fiscal incentives, publicity and awareness campaigns are organized. Some State Governments are providing rebate in property tax and electricity traiff to the users of solar water heaters. Soft loans are also available for the manufactures for up-gradation of technology, besides rebate in excise and customs duties.

(e) The Bureau of Indian Standards have issued certain standards for solar cookers, flat plate collectors for solar water heating systems and solar photovoltaic modules. In add ition, performanes specifications for solar home systems, solar street lights and solar lanterns have also been announced.

Scheme for solar energy system

1013. SHRI B.S. GNANADESIKAN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has any scheme for installation of effective solar energy system, especially in rural areas; for domestic use and lighting;

(b) if so, the details thereof and the number of rural areas being equipped with solar energy system, State-wise;

(c) whether grant is being paid by Government to individual or private institutions who have interest to install solar energy system; and

(d) if so, the deails thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) The Ministry of New and Renewable Energy is implementing several programmes to promote use of solar energy devices and systems in the country including rural areas. The programmes are the Solar Photovoltaic Programme, Remote Village Eelctrification Programme, Solar Photovoltaic Water Pumping Programme, Solar Lantern Programme and Solar Thermal Energy Programme. Under these programmes, financial assistance is being provided on purchase/installation of dish type solar cookers, solar lanterns, solar home lighting systems, solar street lighting systems; solar pumping systems and solar power plants etc. The eligibility criterion and the quantum of support is different under different programmes, In addition to the above, a scheme on "Accelerated Development and Deployment of Solar Water Heating Systems in domestic, Industrial and Commercial Sectors" is also being implemented under which soft loan is available to the beneficiaries through selected banks and Indian Renewable Energy Development Agency Ltd. for installation of solar water heating systems.

The State-wise details of the solar photovoltaic systems installed in the country including the rural areas are given in enclosed Statement-I and II (*See* below).

(c) and (d) The details of financial assistance provided by the Ministry, including to individuals and private institutions for installations of solar energy system are given in enclosed Statement-III, IV and V.

Statement-I

State-wise Installations under solar Photovoltaic Programmes as on 29th February, 2008

Sl. No.	State/UT	SPV Pumps		Solar Photovoltaic		
		Nos.	Street Lights	Home Lights Nos.	Solar Lantern	Power Plant (Kwp)
1	2	3	4	5	6	7
1.	Andhra Pradesh	613	3733	1628	35152	21.66
2.	Arunachal Pradesh	1	788	1770	9937	7.90
3.	Assam	45	98	5870	711	7.5
4.	Bihar	139	690	2771	50117	0.00
5.	Chhattisgarh	93	1409	7028	3192	0.00
6.	Goa	15	283	223	603	1.72

1	2	3	4	5	6	7
7.	Gujarat	85	2004	5915	31603	29.90
8.	Haryana	469	3793	22698	41465	250.40
9.	Himachal Pradesh	6	2994	16840	22470	1.50
10.	Jammu & Kashmir	39	5496	15769	27509	175.60
11.	Jharkhand	0	620	4035	16374	0.00
12.	Karnataka	532	2271	23038	7334	29.41
13.	Kerala	810	1090	32326	41181	44.70
14.	Madhya Pradesh	87	6054	1307	8564	22.40
15.	Maharashtra	228	3491	825	8683	6.44
16.	Manipur	12	370	2850	3883	28.00
17.	Meghalaya	19	1273	7040	24875	50.50
18.	Mizoram	37	315	3045	5812	109.00
19.	Nagaland	0	271	218	3437	6.00
20.	Orissa	8	5819	4485	9882	36.52
21.	Punjab	1821	3037	4620	14995	71.00
22.	Rajasthan	283	6632	50551	4716	25.80
23.	Sikkim	0	162	1805	720	14.70
24.	Tamil Nadu	829	2672	1557	16818	30.05
25.	Tripura	25	760	2800	28000	24.57
26.	Uttar Pradesh	751	950	52997	51683	129.20
27.	Uttarkhand	26	1169	43331	56523	80.03
28.	West bengal	48	2111	76304	3662	675.00
29.	Andaman & Nicobar	5	358	405	6296	167.00
30.	Chandigarh	12	0	275	1675	0.00
31.	Dadar & Nagar Haveli	0	0	0	0	0.00
32.	Daman & Diu	0	0	0	0	0.00
33.	Delhi	89	301	0	4753	30.00
34.	Lakshadweep	0	0	0	0	85.00
35.	Pondicherry	21	310	25	1637	0.00
36.	Others	0	9150	8584	125797	58.00
	TOTAL:	7148	70474	402938	670059	2219.5

Statement-II

State-wise details of remote villages/hamlets taken up for electrification/lighting through SPV Systems during the last three years

Sl. No.	State/Union Territory	Villages/Hamlets during 2005-06		Villages/Hamlets during 2006-07		Villages/Hamlets during 2007-08 (as on 29.2.08)	
		Sanctioned	Completed	Sanctioned	Completed	Sanctioned	Completed*
1.	Arunachal Pradesh	117	20	11	50	0	67
2.	Assam	33	0	429	0	555	16
3.	Chhattisgarh	0	0	43	0	36	0
4.	Gujarat	36	0	0	0	0	36
5.	Jharkhand	224	29	108	234	0	61
6.	Manipur	40	3	14	25	0	0
7.	Meghalaya	0	1	70	0	0	0
8.	Mizoram	0	7	0	13	0	0
9.	Tripura	0	0	0	205	205	165
10.	Uttaranchal	0	164	103	0	0	0
11.	West Bengal	5	49	0	135	0	0
12	J&K	0	0	0	27	27	13
13.	M.P.	50	0	100	30	0	42
14.	Maharashtra	161	0	94	110	0	55
15.	Rajasthan	230	0	73	129	0	89
16.	Karnataka	20	0	0	0	46	16
17.	Orissa	—	0	187	0	0	36
18.	Nagaland	—	0	3	0	0	3
19.	Haryana	—	0	149	45	0	149
20.	Sikkim	—	—	—	13	0	0
21.	U.P.	—	—	—	0	0	20
	TOTAL	916	273	1384	1016	869	768

*as per the reports received upto 31.1.08

Statement-III

State-wise release of funds under SPA Programmes during 2004-05, 2005-06 & 2006-07

(Rs. in lakhs)

Sl. No.	States/UTs	Release of funds during year 2004-05	Release of funds during year 2005-06	Release of funds during year 2006-07
1	2	3	4	5
1.	Andhra Pradesh	—	45.83	24.77
2.	Arunachal Pradesh	—	30.81	280.60
3.	Assam	20.22	50.00	0
4.	Bihar	—	9.12	22.95

1	2	3	4	5
5.	Chhattisgarh	71.41	—	36.50
6.	Goa	—	—	13.25
7.	Gujarat	—	0.67	175.38
8.	Haryana	—	131.14	326.82
9.	Himachal Pradesh	88.00	—	491.19
10.	Jammu & Kashmir	173.24	—	210.33
11.	Jharkhand		5.91	0
12.	Karnataka	143.27	316.35	272.23
13.	Kerala	—	74.54	0
14.	Madhya Pradesh	24.88	2.50	123.71
15.	Maharashtra	18.00	97.60	239.90
16.	Manipur	—	24.98	15.95
17.	Meghalaya	—	154.76	424.78
18.	Mizoram	28.22	106.87	100.90
19.	Nagaland	—	6.98	94.90
20.	Orissa	—	2.26	76.48
21.	Punjab	—	11.80	62.90
22.	Rajasthan	—	246.16	396.50
23.	Sikkim	26.00	—	107.71
24.	Tamil Nadu	—	72.00	242.88
25.	Tripura	—	1.71	0
26.	Uttar Pradesh	154.00	167.43	169.85
27.	Uttarakhand	—	268.65	1238.16
28.	West Bengal	37.38	325.81	341.03
29.	A & N Island	—	—	0
30.	Chandigarh	—	—	0
31.	Delhi	—	—	0
32.	Lakshadweep	—	—	0
33.	Pondicherry	1.65	5.09	2.00
34.	Others	261.6	500.76	113.26
	TOTAL	1047.87	2659.73	5642.38

Statement-IV

State-wise details of fund Released Remote Village Electrification Programme

(Rs in lakhs)

Sl. No.	State	2005-06	2006-07	2007-08 (as on 29.2.08)
1	2	3	4	5
1.	Andhra Pradesh	0.00	7.00	0
2.	Arunachal Pradesh	293.00	156.28	197.52
3.	Assam	32.00	346.58	4464.57
4.	Bihar	0.00	—	0

1	2	3	4	5
5.	Chhattisgarh	275.5	363	290.50
6.	Gujarat	45.00	—	0
7.	Haryana	0.00	123.99	0
8.	Himachal Pradesh	160.00	64.88	0
9.	Jammu & Kashmir	2.5	—	583.22
10.	Jharkhand	1197.00	312	1416.29
11.	Karnataka	49.00		106.03
12.	Kerala	0.00	1.61	0
13.	Madhya Pradesh	28.00	177.21	403.24
14.	Maharashtra	285.00	810.86	1125.60
15.	Manipur	381.00	585.59	106.57
16.	Meghalaya	0.00	135.72	103.79
17.	Mizoram	0.00	—	0
18.	Nagaland	0.00	17.34	0
19.	Orissa	5.5	496.27	276.00
20.	Rajasthan	247.00	51.00	861.00
21.	Sikkim	0.00	—	0
22.	Tamil Nadu	0.00	—	0
23.	Tripura	0.00	352.07	547.31
24.	Uttaranchal	147.00	346.63	198.93
25.	Uttar Pradesh	0.00	0.00	0.00
26.	West Bengal	953.00	1366.26	0.00
27.	Others	51.00	0.00	23.82
	TOTAL:	4152	5714.33	10704.39

Statement-V

State-wise Year-wise Expenditure on Solar Thermal Programme

(*Rs. in lakhs*)

Sl. No.	State/Banks	2004-05#	2005-06*	2006-07*	2007-08* (upto 29.02.2008)
1	2	3	4	5	6
1.	Andhra Pradesh	21.94	3.97	19.43	25.31
2.	Arunachal Pradesh	—	4.00	—	—
3.	Bihar	—	—	—	—
4.	Chandigarh	—	0.08	—	0.37
5.	Chhattisgarh	0.13	14.16	11.20	—
6.	Delhi	6.40	1.00	8.50	6.36
7.	Gujarat	37.20	36.30	105.21	50.59
8.	Haryana	20.30	34.64	28.50	48.46

1	2	3	4	5	6
9.	Himachal Pradesh	0.30	1.77	14.43	
10.	J& K	0.10	3.20		0.80
11.	Karnataka	—	7.00	40.00	16.91
12.	Kerala	0.08	—		5.72
13.	Meghalaya	0.08	—		
14.	M.P.	2.50	0.50	5.30	2.02
15.	Maharashtra	27.36	10.37	30.98	25.89
16.	Mizoram	15.36	3.84		97.35
17.	Orissa	2.80	—		3.92
18.	Pondicherry	0.08	—		
19.	Punjab	4.00	—		
20.	Rajasthan	4.95	—	0.32	0.72
21.	Sikkim	—	—	2.43	
22.	Tamil Nadu	4.15	35.23	10.39	11.08
23.	U.P.	21.70	7.56	2.00	52.89
24.	Uttarakhand	2.78	3.58	8.17	3.33
25.	West Bengal	3.79	—	0.75	
26.	IREDA/Banks	515.00	2250.00	1013.10	1229.47
	TOTAL:	690.98	2417.19	1300.71	1581.19

Encouragement to non-conventional energy sector

†1014. SHRI SHREEGOPAL VYAS:
SHRI BALAVANT *ALIAS* BALAPTE:
SHRIMATI MAYA SINGH:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that non-conventional energy sector is not getting the required encouragement;

(b) whether any tax rebate for the corporate houses in this sector is under consideration;

(c) with which countries talks for exchange of technology in this sector are going on; and

(d) whether export is also being done or it has better prospects in future and if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) No, Sir. The Government has been giving due encouragement to the renewable energy sector through a mix of fiscal and financial incentives that include capital/interest subsidy, accelerated depreciation, nil/concessional excise and customs duties. Further, benefit under Section 80-1A of Income Tax Act, 1961 is available to undertakings setup for the generation or generation and distribution of Renewable power in India. This apart, preferential tariff for grid interactive renewable power is being given in most potential States.

(b) There is no such proposal at present.

†Original notice of the question was received in Hindi.